

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4796	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2007/02/09 19:13
L2	110	L1 and telescop\$ and (freespace or free?space or (free near3 space)) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:13
L3	211	L1 and telescop\$ and (schmidt or cassegrain\$) and (apertur\$ or hole or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:14
L4	54	L1 and telescop\$ and (bidirect\$ or bi?direct\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:14
L5	124	L1 and telescop\$ and (freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$) and (mirror\$3 or reflect\$ or deflect\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:14
L6	207	L1 and ((freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (mirror\$3 or reflect\$ or deflect\$) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:14
L7	90	L1 and ((atmospher\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (mirror\$3 or reflect\$ or deflect\$) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 19:14
L8	230	L1 and telescop\$ and (((transmit\$4 or transmis\$4) and (receiv\$ or receipt\$)) or transceiv\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/09 20:14
S1	8	("4439012") or ("4695139") or ("5390040").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/04/26 16:37
S2	4307	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/04/26 17:12

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S3	21	S2 and telescop\$ and cassegrain\$ and (freespace or free?space or (free near3 space))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 11:05
S4	9	("3813553"   "3989942"   "4731879"   "4867560"   "5060304"   "5142400"   "5229593"   "5282073"   "5285461").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/26 18:22
S5	4307	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/04/26 19:29
S6	213	S5 and telescop\$ and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 11:55
S7	194	S6 and ax?s	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/26 19:30
S8	5	("3215842"   "3984685"   "4496839"   "4632563").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 09:22
S9	1	("5420723").URPN.	USPAT	OR	ON	2005/04/27 09:28
S10	12	("0536759"   "3371212"   "3527526"   "3614449"   "3781552"   "3907408"   "3968362"   "4165936"   "4363533").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 10:14
S11	4	("3410641"   "3781552"   "3802775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/27 10:28
S12	13	("3968362").URPN.	USPAT	OR	ON	2005/04/27 10:31
S13	9	("4439012").URPN.	USPAT	OR	ON	2005/04/27 10:38
S14	4307	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/04/27 11:05
S15	79	S14 and telescop\$ and (freespace or free?space or (free near3 space)) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:56
S16	185	S14 and telescop\$ and (schmidt or cassegrain\$) and (apertur\$ or hole or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 12:42

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S17	33	S14 and telescop\$ and (bidirect\$ or bi?direct\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 16:15
S18	172	S14 and telescop\$ and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 13:35
S19	36	telescop\$ and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and ((freespace or free?space or (free near3 space)) with (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 15:57
S20	76	telescop\$ and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and (freespace or free?space or (free near3 space)) and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 16:14
S21	1215	telescop\$ and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and (freespace or free?space or (free near3 space))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 10:11
S22	145	S21 and (bidirect\$ or bi?direct\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:49
S23	339	(schmidt or cassegrain\$) and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and (freespace or free?space or (free near3 space)) and (hole or apertur\$ or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:48
S24	1455	(schmidt or cassegrain\$) and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$) and ((hole or apertur\$ or window) with (mirror or reflect\$ or deflect\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:54
S25	18	S24 and telescop\$ and (bidirect\$ or bi?direct\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:50
S26	1539	telescop\$ same ((hole or apertur\$ or window) with (mirror or reflect\$ or deflect\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 17:55

## EAST Search History

S27	46	S26 and (freespace or free?space or (free near3 space)) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 18:06
S28	97	S26 and (transmi\$ with ax?s) and ((receiv\$ or receipt\$) with ax?s)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 18:26
S29	19	S26 and transmi\$ and (receiv\$ or receipt\$) and (shar\$4 with ax?s)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 18:29
S30	56	S26 and (transmi\$ with (reflect\$ or deflect\$)) and ((receiv\$ or receipt\$) with primary)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 18:31
S31	522	S26 and (((coincid\$ or parallel) with ax?s) or collinear\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 19:16
S32	104	S31 and (offax?s or off?ax?s or (off near3 ax?s))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 19:38
S33	76	S26 and (offax?s or off?ax?s or (off near3 ax?s)) and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/04/27 19:38
S34	4436	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/10/05 09:42
S35	22	S34 and telescop\$ and cassegrain\$ and (freespace or free?space or (free near3 space))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:42
S36	4436	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/10/05 09:42

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S37	219	S36 and telescop\$ and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:42
S38	200	S37 and ax?s	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:42
S39	4436	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/10/05 09:42
S40	86	S39 and telescop\$ and (freespace or free?space or (free near3 space)) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:42
S41	190	S39 and telescop\$ and (schmidt or cassegrain\$) and (apertur\$ or hole or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:42
S42	37	S39 and telescop\$ and (bidirect\$ or bi?direct\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:43
S43	184	S39 and telescop\$ and ((transmi\$ and (receiv\$ or recept\$)) or transceiv\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 09:43
S44	167	(telescop\$ or schmidt or cassegrain\$) and ((transmi\$ and (receiv\$ or recept\$)) or transceiv\$ or (bidirect\$ or bi?direct\$)) and (freespace or free?space or (free near3 space)) and (offax\$5 or off?ax\$5 or (off near3 ax\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 10:27
S45	560	(optic\$4 same (telescop\$ or schmidt or cassegrain\$)) and ((transmi\$ and (receiv\$ or recept\$)) or transceiv\$ or (bidirect\$ or bi?direct\$)) and (freespace or free?space or (free near3 space))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 12:22
S46	263	S45 and (hole\$2 or aperture\$2 or pinhole\$2 or pin?hole\$2 or (pin near3 hole\$2) or iris) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 10:31

## EAST Search History

S47	470	(telescop\$ or schmidt or cassegrain\$) and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$ or (bidirect\$ or bi?direct\$)) and (freespace or free?space or (free near3 space)) and (optic\$4 near5 (communicat\$ or telecommunicat\$ or tele?communicat\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 12:27
S48	312	S47 and ax\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 12:25
S49	255	(telescop\$ or schmidt or cassegrain\$) and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$ or (bidirect\$ or bi?direct\$)) and (freespace or free?space or (free near3 space) or air or atmospher\$) and (optic\$4 near5 (communicat\$ or telecommunicat\$ or tele?communicat\$)) and ax\$5 and (surface with (hole or aperture or pinhole or pin?hole or (pin near3 hole)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 12:58
S50	291	((freespace or free?space or (free near3 space) or air or atmospher\$) same (telescop\$ or schmidt or cassegrain\$)) and ((transmi\$ and (receiv\$ or receipt\$)) or transceiv\$ or (bidirect\$ or bi?direct\$)) and (optic\$4 near5 (communicat\$ or telecommunicat\$ or tele?communicat\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/10/05 13:00
S51	4556	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/12 11:54
S52	24	S51 and telescop\$ and cassegrain\$ and (freespace or free?space or (free near3 space))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 11:54
S53	4556	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/12 11:54
S54	231	S53 and telescop\$ and (schmidt or cassegrain\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 11:54
S55	210	S54 and ax?s	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 11:54
S56	4556	((359/366) or (359/399) or (359/364) or (359/365) or (359/419) or (359/839) or (359/840) or (359/850) or (359/855) or (359/856) or (359/857) or (359/858) or (359/859) or (359/641) or (398/118) or (398/128) or (398/129) or (398/130) or (398/131)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/04/12 11:54

## EAST Search History

S57	94	S56 and telescop\$ and (freespace or free?space or (free near3 space)) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 14:10
S58	200	S56 and telescop\$ and (schmidt or cassegrain\$) and (apertur\$ or hole or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 11:55
S59	44	S56 and telescop\$ and (bidirect\$ or bi?direct\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 12:57
S60	198	S56 and telescop\$ and ((transmi\$ and (receiv\$ or recept\$)) or transceiv\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 12:57
S61	104	S56 and telescop\$ and (freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$) and (communicat\$ or telecommunicat\$ or tele?communicat\$) and (mirror\$3 or reflect\$ or deflect\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 14:39
S62	182	S56 and ((freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (mirror\$3 or reflect\$ or deflect\$) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 15:37
S63	83	S56 and ((atmospher\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (mirror\$3 or reflect\$ or deflect\$) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 15:10
S64	11890	((freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$ or atmospher\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (mirror\$3 or reflect\$ or deflect\$) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 16:07
S65	322	((freespace or free?space or (free near3 space) or bidirection\$ or bi?direction\$ or atmospher\$) same (communicat\$ or telecommunicat\$ or tele?communicat\$)) and (telescop\$ same (mirror\$3 or reflect\$ or deflect\$)) and ax?s\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/04/12 16:09